

HAWAII ADMINISTRATIVE RULES

TITLE 12

DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS

SUBTITLE 8

DIVISION OF OCCUPATIONAL SAFETY AND HEALTH

PART 8

HEALTH STANDARDS

CHAPTER 201

RADIATION HAZARDS

§12-201-1 Repealed
§12-201-1.1 Ionizing radiation
§12-201-2 Repealed
§12-201-2.1 Nonionizing radiation
§12-201-3 Lasers

Historical note: Chapter 201 of title 12 is based upon chapter 304 of the Hawaii Occupational Safety and Health Standards, Rules and Regulations. [Eff 7/11/74; am 12/30/76; am 8/22/77; am 8/11, R 7/12/82]

§12-201-1 REPEALED. [Eff 7/12/82; am 8/5/88; ren §12-201-1 and comp 6/8/92; R 11/16/96] (Auth: HRS §396-4) (Imp: HRS §396-4)

§12-201-1.1 Ionizing radiation. (a) Incorporation of federal standard. Title 29, Code of Federal Regulations, section 1910.96, entitled "Ionizing radiation", published by the Office of the Federal Register, National Archives and published on June 27, 1974, and the amendments published on October 24, 1978; November 7, 1978; April 30, 1984; June 30, 1993; June 20, 1996 (redesignated as §1910.1096), are made a part of this section, except as provided in subsection (b).

(b) Definitions.

"Assistant Secretary of Labor" means the director of the department of labor and industrial relations or the director's designee. [Eff 11/16/96] (Auth: HRS §396-4) (Imp: HRS §396-4)

§12-201-2 REPEALED. [Eff 7/12/82; am 8/5/88; ren §12-201-2 and comp 6/8/92; R 12/29/01]

§12-201-2.1 Nonionizing radiation. Incorporation of federal standard. Title 29, Code of Federal Regulations, section 1910.97, entitled "Nonionizing radiation" published by the Office of the Federal Register, National Archives and Records Administration, on June 27, 1974; and the amendments published on March 7, 1996, are made part of this chapter. [Eff 12/29/01] (Auth: HRS §396-4) (Imp: HRS §396-4)

Historical note: Section 12-201-2.1 is based substantially upon 12-201-2 [Eff 7/12/82; am 8/5/88; ren 12-201-2 and comp 6/8/92; R 12/29/01]

§12-201-3 Lasers. (a) Only qualified and trained employees shall be assigned to install, adjust, and operate laser equipment.

(b) Proof of qualification of the laser equipment operator shall be available and in possession of operator at all times.

(c) Employees, when working in areas in which a potential exposure to direct or reflected laser light greater than 0.005 watts (5 milliwatts) exists, shall be provided with antilaser eye protection devices.

(d) Areas in which lasers are used shall be posted with standard laser warning placards.

(e) Beam shutters or caps shall be utilized, or the laser turned off, when laser transmission is not actually required. When the laser is left unattended for a substantial period of time, such as during lunch hour, overnight or at change of shifts, the laser shall be turned off.

(f) Only mechanical or electrical means shall be used as a detector for guiding the intermittent alignment of the laser.

(g) The laser beam shall not be directed at employees.

(h) When it is raining or snowing, or when there is dust or fog in the air, the operation of laser systems shall be prohibited where practicable; in any event, employees shall be kept out of range of the area of source and target during those weather conditions.

(i) Laser equipment shall bear a label to indicate maximum output.

(j) Employees shall not be exposed to light intensities above:

(1) Direct staring: . . . 1 micro-watt per square centimeter;

(2) Incidental observing: . . . 1 milliwatt per square centimeter; and

(3) Diffused reflected light: . . . 2-1/2 watts per square centimeter.

(k) Laser unit in operation should be set up above the heads of the employees, when possible. [Eff 7/12/82; am 8/5/88; ren §12-201-3 and comp 6/8/92] (Auth: HRS §396-4) (Imp: HRS §396-4)